CIVIL QUALITY CONSULTANTS & ENGINEERS

ISO 9001:2015 Certified & NABL Accredited Laboratory as per ISO/IEC - 17025-2017

Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/16/2021-2022 Date:10.07.2021

TEST REPORT ON CEMENT

Client : **Executive Engineer,** RR Nagara Division, BBMP, Bangalore.

Agency : **Sri. Raghunath B P,** Contractor, Bangalore.

Name of Work Providing Missing slabs and Desilting of Drains in Ward Jurisdiction in Ward No 16, Jalahalli, BBMP, Bangalore

Sample : :Cement (Zuari 53 grade OPC)

Sample Supplied by: :AGENCY

Date of Manufacture: :June-2021

Date of Testing 08.07.2021 to 10.07.2021

Sl.No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 269:2015
1	a) Initial Setting Time	IS-4031 (Part - 5):1988(RA 2014)	150 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part - 5):1988(RA 2014)	365 Minutes	Not More than 600 Minutes
2	Soundness	IS-4031 (Part 3) :1988 (RA 2014) by the Le-Chatelier method	1 mm	Not more than 10 mm
3	Standard Consistency	IS-4031 (Part -4)	30.00%	-

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30days from the date of testing.

For CIVIL QUALITY CONSULTANTS & ENGINEERS

Authorised Signatory

Corporate Off.: No. 133, Bhuvaneshwarinagar, Doddabasti Main Road, Bangalore-560 056.
Contact: 8553518550, 080-23240644 Email: civilqualityconsultants@gmail.com

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Job No.: CQCE/BBMP/RBP/16/2021-2022 Date 10.07.2021

TEST REPORT ON FINE AGGREGATES (SAND)

Client :**Executive Engineer,** RR Nagara Division, BBMP, Bangalore.
Agency : **Sri. Raghunath B P,** Contractor, Bangalore.
Name of Work Providing Missing slabs and Desilting of Drains in Ward Jurisdiction in Ward No 16, Jalahalli, BBMP, Bangalore

Date of Testing 10.07.2021
IS Code :IS 383:2016
:IS 2386 (Part 1):1963(RA 2011)
Material : Sand Total Wt. of Aggregates in gms **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Requirements as per IS 383:2016 Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	82	8.20	8.20	91.8	90-100
2.36	132	13.20	21.40	78.6	75-100
1.18	210	21.00	42.40	57.6	55-90
600 Micron	178	17.80	60.20	39.8	35-59
300 Micron	223	22.30	82.50	17.5	8-30
150 Micron	88	8.80	91.30	8.7	0-10

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/16/2021-2022

Date: 19.07.2021

PRECAST SLAB 100mm Thick(CORE) TEST REPORT

Client	:	**Executive Engineer,** RR Nagara Division, BBMP, Bangalore.
Contractor	:	**Sri. Raghunath B P,** Contractor, Bangalore.
Name of Work	:	Providing Missing slabs and Desilting of Drains in Ward Jurisdiction in Ward No 16, Jalahalli, BBMP, Bangalore
No.of Sample Tested	:	03
Date of Testing	:	19.07.2021
Techinical Reference	:	IS:516-1959 (Reaffirmed 1999), SP-24:1983.
Grade of Concrete	:	M_{20}

SL No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	81.00	0.367	2307.55	1.62	0.959	32.30	16.45	17.77	17.04	21.30
2	50.00	85.00	0.393	2354.74	1.70	0.968	33.50	17.06	18.43	17.83	22.29
3	50.00	89.00	0.418	2391.97	1.78	0.976	34.80	17.72	19.14	18.69	23.36

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Testing of Construction Material - Mechanical, Soil, Bitumen, Non Destructive Testing Services, Project Management Consultants, Third Party Quality Assurance, DPR.

Job No.: CQCE/BBMP/RBP/16/2021-2022

Date 10.07.2021

TEST REPORT ON FINE AGGREGATES (SAND) IS 2116-1980

Client : **Executive Engineer,** RR Nagara Division, BBMP, Bangalore.

Agency : **Sri. Raghunath B P,** Contractor, Bangalore.

Name of Work : Providing Missing slabs and Desilting of Drains in Ward Jurisdiction in Ward No 16, Jalahalli, BBMP, Bangalore

Date of Testing 10.07.2021

Material : Sand(Masonry)

Total wt. of aggregates in gms = **1000**

Is Sieve Size in mm	Weight Retained (gm)	Retained Weight in %	Cumulative Retained Weight in %	Cumulative Weight Passing in %	Spec.Limits as per IS 2116-1980
4.75	0	0.00	0.00	100.0	100
2.36	32	3.20	3.20	96.8	90-100
1.18	38	3.80	7.00	93.0	70-100
600 Micron	85	8.50	15.50	84.5	40-100
300 Micron	261	26.10	41.60	58.4	5-70
150 Micron	485	48.50	90.10	9.9	0-15

Note:

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